

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
11 April 2002 (11.04.2002)

PCT

(10) International Publication Number  
WO 2002/029551 A3

(51) International Patent Classification<sup>7</sup>: G06F 9/445,  
H04L 12/58, 12/18, 29/08

(21) International Application Number:  
PCT/US2001/031157

(22) International Filing Date: 3 October 2001 (03.10.2001)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
09/678,549 4 October 2000 (04.10.2000) US

(71) Applicant (for all designated States except US): INTEL  
CORPORATION [US/US]; 2200 Mission College Boule-  
vard, Santa Clara, CA 95052 (US).

(72) Inventor; and

(75) Inventor/Applicant (for US only): CORDOVA, Rois  
[US/US]; 5120 South Camellia Drive, Chandler, AZ 85247  
(US).

(74) Agents: TROP, Timothy, N. et al.; Trop, Pruner & Hu,  
P.C., 8554 Katy Freeway, Suite 100, Houston, TX 77024  
(US).

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU,  
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,  
CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,  
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,  
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,  
MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI,  
SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU,  
ZA, ZW.

(84) Designated States (*regional*): ARIPO patent (GH, GM,  
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian  
patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European  
patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE,  
IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF,  
CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD,  
TG).

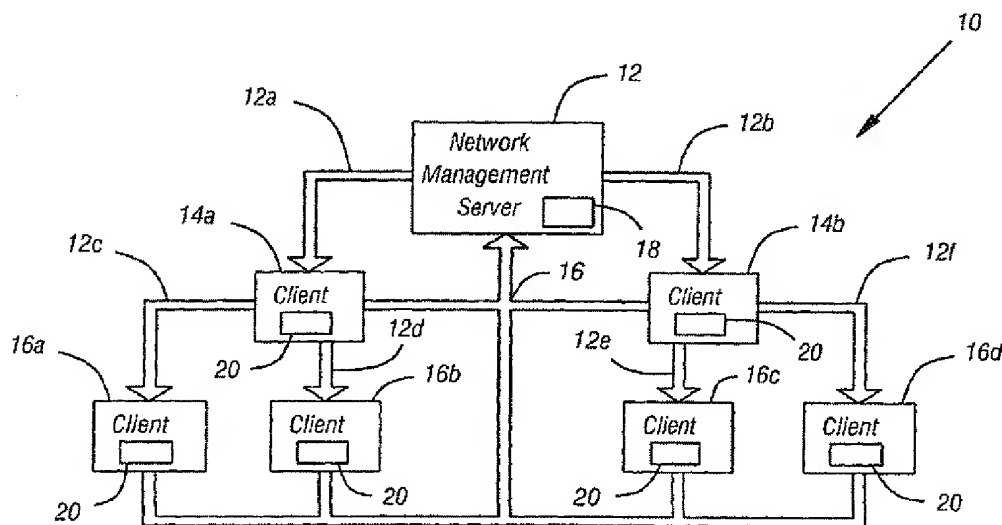
**Published:**

- with international search report
- before the expiration of the time limit for amending the  
claims and to be republished in the event of receipt of  
amendments

(88) Date of publication of the international search report:  
26 February 2004

For two-letter codes and other abbreviations, refer to the "Guid-  
ance Notes on Codes and Abbreviations" appearing at the begin-  
ning of each regular issue of the PCT Gazette.

(54) Title: PEER TO PEER SOFTWARE DISTRIBUTION SYSTEM



(57) Abstract: Software packages may be distributed to a plurality of clients in a network by initially distributing the software from a server to one or more clients. Those clients may then be enabled to forward the software package on to other clients contained in a list of addressee clients. Each client that receives the software package may then be called upon, in turn, to forward the software package to additional clients on the list. In this way, the load on the network management server, related to the distribution of software to a large number of clients in a network, may be reduced.

## INTERNATIONAL SEARCH REPORT

Internatio p plication No

PCT/US 01/31157

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G06F9/445 H04L12/58 H04L12/18 H04L29/08

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04L G06F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 850 396 A (GILBERT TIMOTHY G) 15 December 1998 (1998-12-15) column 3, line 58 -column 4, line 14 column 7, line 14-32 ----	1,6,11, 16,21,25
X	EP 0 726 663 A (HITACHI LTD) 14 August 1996 (1996-08-14) abstract ----	1,6,11, 16,21,25
A	EP 0 811 942 A (CYBER MEDIA INC) 10 December 1997 (1997-12-10) abstract -----	1,11,21

☐ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

## \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*&\* document member of the same patent family

Date of the actual completion of the international search

17 December 2003

Date of mailing of the international search report

30/12/2003

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Dupuis, H

# INTERNATIONAL SEARCH REPORT

Information on patent family members

Internatio Application No

PCT/US 01/31157

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5850396	A	15-12-1998	AU 719378 B2	11-05-2000
			AU 3575297 A	14-01-1998
			CA 2259286 A1	31-12-1997
			EP 0908037 A1	14-04-1999
			JP 2000513524 T	10-10-2000
			WO 9750208 A1	31-12-1997
EP 0726663	A	14-08-1996	JP 3121221 B2	25-12-2000
			JP 8214015 A	20-08-1996
			EP 0726663 A2	14-08-1996
			US 5740170 A	14-04-1998
EP 0811942	A	10-12-1997	US 6151643 A	21-11-2000
			AU 2477797 A	11-12-1997
			CA 2207162 A1	07-12-1997
			EP 0811942 A2	10-12-1997
			JP 10091407 A	10-04-1998
			US 2003046675 A1	06-03-2003
			US 2002166001 A1	07-11-2002
			US 2003110241 A1	12-06-2003
			US 2003200541 A1	23-10-2003
			US 6457076 B1	24-09-2002